



RENEWABLE
ENERGY
PROGRAM

CALIFORNIA ENERGY COMMISSION

CEC-RPS-1A:S2

Certification Supplement 2 – Hydroelectric California Renewables Portfolio Standard Program

—All information on this form and on any attachments is subject to public disclosure—

Section I: Applicant Information

Name of Applicant:

Company Name:

Person Completing Form (if different from Applicant):

Section II: Facility Information

Name of Facility:

Location (provide street address of facility or attach legal description of site):

City:

County:

State:

CEC-RPS # _____ (ID# issued under the Renewables Portfolio Standard, if application is amendment or renewal)

Section III: Supplemental Questions for Hydroelectric Applicants

- Does the facility use pumped storage for electricity generation? ☐ Yes* ☐ No
☐ *If Yes, applicant certifies that the facility meets **all** of the following requirements:
 - The facility meets the RPS eligibility requirements for conduit hydroelectric, small hydroelectric, or incremental hydroelectric facilities as more fully described in the *Renewables Portfolio Standard Eligibility Guidebook*, and
 - The electricity used to pump the water qualifies as RPS-eligible. (The amount of energy that may qualify for the RPS is the amount of electricity dispatched from the system.)

A facility certified as RPS-eligible may include an electricity storage device if it does not conflict with other RPS-eligibility criteria, but the storage unit itself will not be separately certified.

- Is the facility seeking certification of only the incremental increase in generation resulting from efficiency improvements initiated on or after January 1, 2008?

☐ Yes (Skip to #7)

☐ No

- Is the facility a small conduit hydroelectric facility? ☐ Yes (If yes, skip to #5) ☐ No

4. RPS Eligibility for Small Hydroelectric Facilities

Choose **ONE**
and read #6

- ☐ If facility commenced commercial operations before January 1, 2006, applicant certifies that the facility meets **all** of the following criteria:
- Capacity is 30 MW or less, with an exception for eligible efficiency improvements made after January 1, 2008, as discussed below.
 - Located in-state or satisfies the out-of-state requirements.
 - Under contract to, or owned by a retail seller as of January 1, 2006.

	<p><i>Eligible Efficiency Improvements: A small hydroelectric facility shall not lose its RPS eligibility if efficiency improvements undertaken after January 1, 2008, cause it to exceed 30 MW and "the efficiency improvements do not result in an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow."¹ The entire generating capacity of the facility shall be RPS-eligible.</i></p>
	<p><input type="checkbox"/> If facility commenced commercial operations or was repowered on or after January 1, 2006, applicant certifies that the facility meets all of the following requirements:</p> <ul style="list-style-type: none"> ▶ Capacity is 30 MW or less, with an exception for eligible energy efficiency improvements made after January 1, 2008, as discussed above. ▶ Located in-state or satisfies the out-of-state requirements. ▶ Does not result in an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow.
<p>5. RPS Eligibility for Conduit Hydroelectric Facilities</p>	
<p>Choose ONE and read #6</p>	<p><input type="checkbox"/> If facility commenced commercial operations before January 1, 2006, applicant certifies that the facility meets all of the following requirements:</p> <ul style="list-style-type: none"> ▶ Capacity is 30 MW or less, with an exception for eligible energy efficiency improvements made after January 1, 2008, as discussed below. ▶ Located in-state or satisfies the out-of-state requirements.
	<p><i>Eligible Efficiency Improvements: A conduit hydroelectric facility shall not lose its RPS eligibility if efficiency improvements undertaken after January 1, 2008, cause it to exceed 30 MW and do not result in an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow. The entire generating capacity of the facility shall be RPS-eligible.</i></p>
	<p><input type="checkbox"/> If facility commenced commercial operations after January 1, 2006, applicant certifies that the facility meets all of the following requirements:</p> <ul style="list-style-type: none"> ▶ Capacity is 30 MW or less in, with an exception for eligible energy efficiency improvements made after January 1, 2008, as discussed above. ▶ Located in-state or satisfies the out-of-state requirements. <p>Does not result in an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow</p>
<p>6. Permits and Licenses for Small Hydroelectric and Small Conduit Hydroelectric Facilities</p>	
<p><i>Facility located within California</i></p>	<p><i>Facility located outside California</i></p>
<p>A new or repowered small hydroelectric facility, conduit hydroelectric facility or incremental generation from eligible efficiency improvements located within California, is not eligible for the RPS if it results in an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow. A facility may have an adverse impact on the instream beneficial uses if it causes a change in the volume, rate, timing, temperature, turbidity, or dissolved oxygen content of the stream water.</p>	<p>A new or repowered small hydroelectric facility, conduit hydroelectric facility, or incremental generation from eligible efficiency improvements to a hydroelectric facility located outside California may be eligible for the RPS if it can demonstrate that it may operate without adversely impacting the instream beneficial uses or causing a change in the volume or timing of streamflow. A facility may have an adverse impact on the instream beneficial uses if it causes a change in the volume, rate, timing, temperature, turbidity, or dissolved oxygen content of the stream water.</p>

¹ Public Utilities Code Section 399.12.5(a)

Note: If a new or repowered small hydroelectric facility, conduit hydroelectric facility, or incremental generation from eligible efficiency improvements to a hydroelectric facility, can demonstrate that it can operate without adversely impacting the instream beneficial uses or causing a change in the volume or timing of streamflow, it may be eligible for the RPS.

RPS Eligibility for Incremental Hydroelectric Generation

7. For RPS certification of incremental increase in generation that results from efficiency improvements to a hydroelectric facility, regardless of the electrical output of the facility, is eligible for the RPS if **all** of the following conditions are met:
- ▶ The facility was operational before January 1, 2007.
 - ▶ The efficiency improvements are initiated on or after January 1, 2008, are not the result of routine maintenance activities and were not included in any resource plan sponsored by the facility owner before January 1, 2008.
 - ▶ The facility has, within the immediately preceding 15 years from the date the efficiency improvements are initiated, received certification from the State Water Resources Control Board (SWRCB) pursuant to Section 401 of the Clean Water Act (33 U.S.C. Sec. 1341), or has received certification from a regional board to which the SWRCB has delegated authority to issue certification, unless the facility is exempt from certification because there is no potential discharge into waters of the United States.
 - ▶ The incremental increase is the result of efficiency improvements from a retrofit, and the efficiency improvements do not result in an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow.
 - ▶ All of the incremental increase in electricity generation resulting from the efficiency improvements must be demonstrated to result from a long-term financial commitment by the retail seller.

☐ Applicant certifies that that the incremental generation and facility comply with the above requirements as more fully described in the *Renewables Portfolio Standard Eligibility Guidebook*.

Applicant's signed attestation on Form CEC-RPS-1A applies to the information provided herein.

***SUBMIT: 1. Completed and signed CEC-RPS 1A/B form
2. Applicable supplemental forms
3. Applicable additional required information
4. Other, Please specify:***

***TO: California Energy Commission
Attn: RPS Certification
1516 Ninth Street, MS-45
Sacramento, CA 95814***